

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P839895

Luminaire Tested: **LDS4C25D010 EU4259050 4LBSWMH**

Issue Date: 8/24/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839895  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/24/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDS4C25D010 EU4259050 4LBSWMH  
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 4LBS TRIM WITH WMH FINISH  
Light Source: -  
Ballast/Driver: -

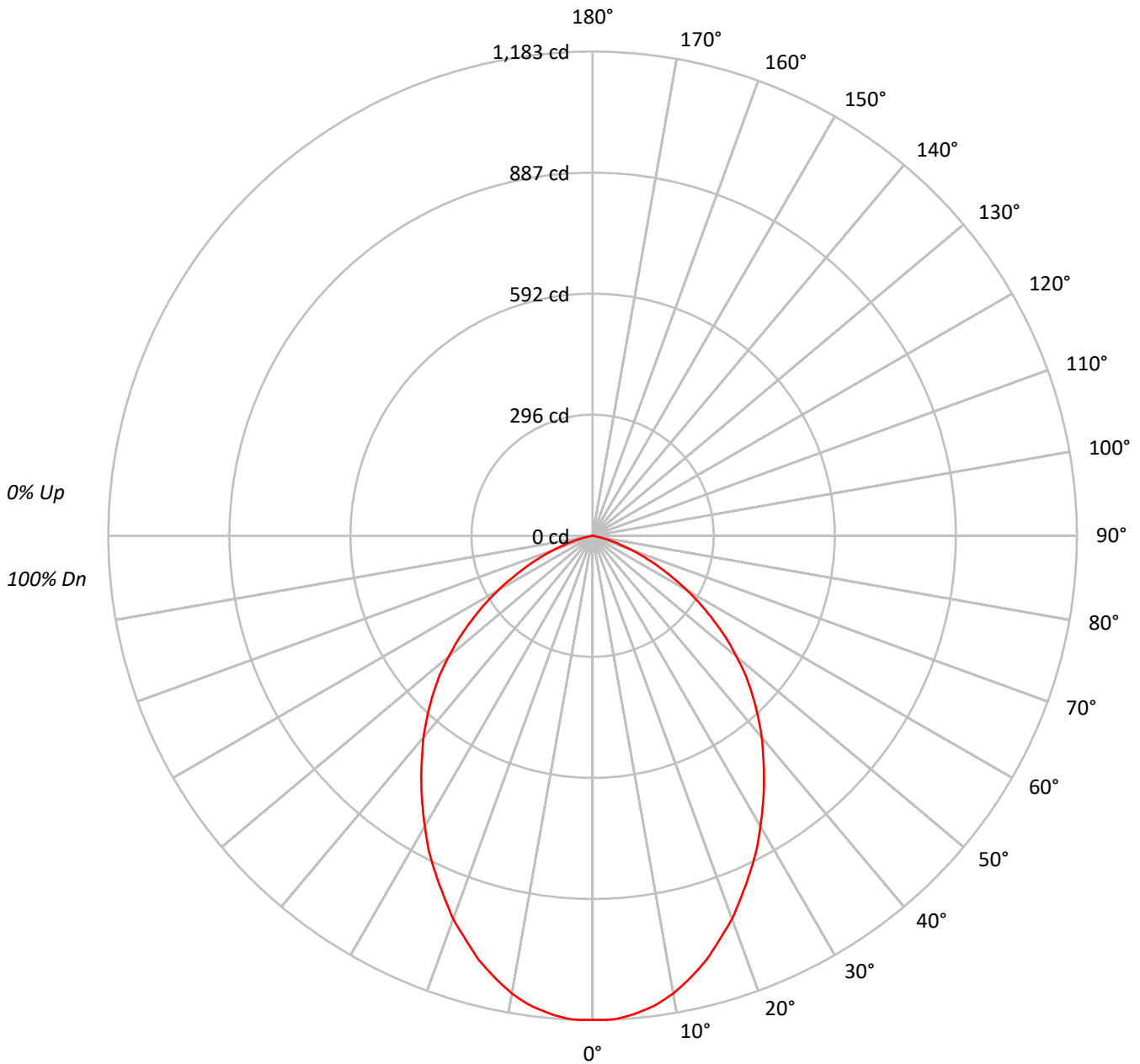
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2262.0 lumens  
Efficiency: N/A  
Efficacy: 71.8 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 31.5  
Input Voltage (V):  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	145336
5°	144670
10°	141677
15°	136523
20°	130241
25°	123218
30°	116239
35°	109438
40°	103040
45°	96061
50°	87593
55°	77365
60°	65481
65°	51395
70°	36674
75°	20126
80°	3537
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.8	4.9
10°-20°	301.2	13.3
20°-30°	418.3	18.5
30°-40°	456.4	20.2
40°-50°	425.8	18.8
50°-60°	323.2	14.3
60°-70°	177.0	7.8
70°-80°	48.7	2.2
80°-90°	0.7	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	830.3	36.7
0°-40°	1286.7	56.9
0°-60°	2035.7	90.0
0°-90°	2262.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2262.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1183	
5°	1173	111
15°	1073	301
25°	909	418
35°	730	456
45°	553	426
55°	361	323
65°	177	177
75°	42	49
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1183.0
2.5°	1183.0
5°	1173.1
7.5°	1158.2
10°	1135.7
12.5°	1105.8
15°	1073.4
17.5°	1033.6
20°	996.2
22.5°	951.4
25°	909.0
27.5°	866.7
30°	819.4
32.5°	774.6
35°	729.7
37.5°	684.9
40°	642.5
42.5°	597.7
45°	552.9
47.5°	508.1
50°	458.3
52.5°	410.9
55°	361.2
57.5°	313.8
60°	266.5
62.5°	219.2
65°	176.8
67.5°	137.0
70°	102.1
72.5°	69.7
75°	42.4
77.5°	19.9
80°	5.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)